



ADSL2+ 4-PORT MODEM ROUTER

HIGH-SPEED INTERNET CONNECTION

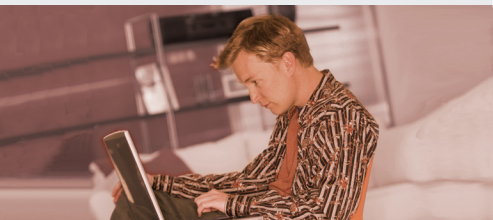
Latest ADSL2+ standard allows for high Internet transmission rates

EXTENDED SECURITY PROTECTION

Extensive list of firewall features including SPI and DoS for firewall protection against Internet attacks

QUALITY OF SERVICE (QoS)

Multiple DiffServ priority queues for smooth VoIP traffic and streaming of multimedia



ULTIMATE INTERNET CONNECTION FOR HOME & OFFICE

The DSL-2542B ADSL Modem Router is an affordable high-performance router ideal for the home and small office. With its integrated ADSL2/2+ supporting high download speeds of 24Mbps, Quality of Service (QoS), extensive firewall protection and 4-port built-in switch, this router provides all the essentials that a home or small office would need to establish a secure and high speed remote link to the outside world.

EXTENSIVE FIREWALL FEATURES FOR ADDED INTERNET DEFENSE

Security features prevent unauthorized access of Internet intruders from entering your home or small office network. This router provides firewall security using Stateful Packet Inspection (SPI) and Denial of Service (DoS) attack protection. SPI inspects the contents of all incoming packet headers before deciding what packets are allowed to pass through. Router access control is provided with packet filtering based on port and source/destination MAC/IP addresses.

QUALITY OF SERVICE FOR SMOOTH TRAFFIC

Quality of Service (QoS) supports multiple priority queues to enable a group of home or office users to experience the benefit of smooth network connection of inbound and outbound data without concern for traffic congestion. This router's QoS support allows users to enjoy high ADSL transmission for applications such as VoIP, streaming multimedia and online games.

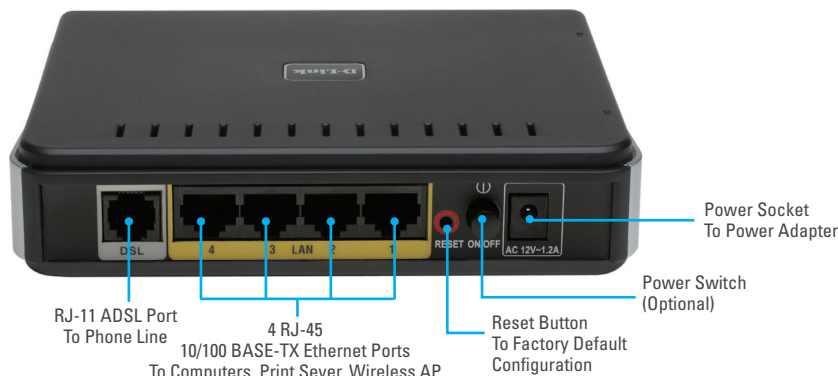
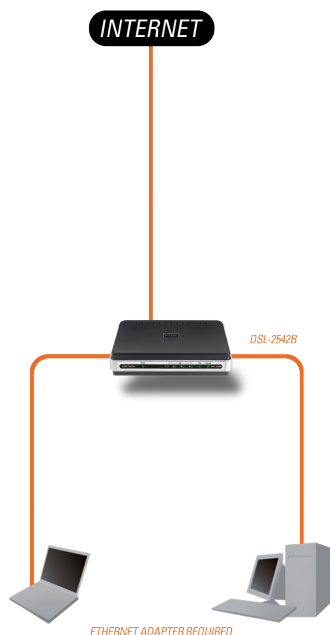
WHAT THIS PRODUCT DOES

This 4-port ADSL modem router connects to the Internet using an integrated high-speed ADSL2+ interface, and allows multiple computers, at home or the office, to share high-speed Internet connection. The router provides firewall protection and QoS for secure and smooth online gaming, voice communications and downloading of photos, files, music and video over the Internet. 4-built-in LAN ports provide ready connection to 4 computers through the Ethernet cables.

GET HIGH-SPEED ADSL SPEED

Ready ADSL connection, with up to 24Mbps downstream and 1Mbps upstream, this router allows you to do all of your favorite things on the Internet. Watch TV, listen to live music, play games, and experience clear Internet phone calls. Now, smooth streaming multimedia and VoIP voice are possible at home and in the office through a simple connection to this router.

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

DEVICE INTERFACES

- + RJ-11 ADSL port
- + 4 RJ-45 10/100BASE-TX Ethernet ports with auto MDI/MDIX

ADSL STANDARDS

- + ADSL standards: Multi-mode, ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) Annex A, ITU-T G.992.2 (G.lite) Annex A, ITU-T G.994.1 (G.hs)
- + ADSL2 standards: ITU-T G.992.3 (G.dmt.bis) Annex A/L/M ITU-T G.992.4 (G.lite.bis) Annex A
- + ADSL2+ standards: ITU-T G.992.5 Annex A/M

ADSL DATA RATES

- + G.dmt: 8Mbps downstream, 832Kbps upstream
- + G.lite: 1.5Mbps downstream, 512Kbps upstream
- + ADSL2: 12Mbps downstream, 1Mbps upstream
- + ADSL2+: 24Mbps downstream, 1 Mbps upstream

ATM & PPP PROTOCOLS

- + ATM Adaption Layer type 5 (AAL5)
- + Bridged or routed Ethernet encapsulation
- + VC and LLC based multiplexing
- + MAC Encapsulated Routing
- + ATM Forum UNI3.1/4.0 PVC
- + ATM Cell Format ITU-T Rec. I.361
- + PPP over Ethernet (PPPoE)
- + PPP over ATM (RFC 2364)
- + PPP over Ethernet (PPPoE)
- + PPP Link Control Protocol (LCP)
- + Internet Protocol Control Protocol (IPCP)
- + PPP Authentication Protocol (PAP)
- + PPP Challenge Handshake Authentication Protocol (CHAP)
- + Microsoft PPP CHAP extensions

ROUTER FEATURES & NETWORK PROTOCOLS

- + Ethernet to ADSL Self-Learning Transparent Bridging
- + Internet Control Message Protocol (ICMP)
- + Network Address Translation (NAT), IP

Static Routing

- + NAT ALG (optional): MSN/AOL/Yahoo Messenger, FTP, SNMP, CUSEEME, Real Audio, MIRC, SIP, ICQ, games
- + Dynamic Host Configuration Protocol (DHCP); DHCP server, client, and relay
- + SNTP, DNS Relay, DDNS proxy and IGMP proxy

FIREWALL /ACCESS SECURITY

- + BNAT firewall
- + MAC Filtering
- + Packet Filtering
- + URL Content Filtering (keyword filtering)
- + Domain Blocking
- + Stateful Packet Inspection (SPI)
- + Denial of Service prevention (DoS)
- + Intrusion Detection System/Log
- + User Authentication PAP
- + User Authentication CHAP
- + DMZ

VIRTUAL PRIVATE NETWORK

Multiple IPSec/PPTP/L2TP pass-through

CONFIGURATION/MANAGEMENT

- + Easy Installation Wizard
- + Web-based GUI configuration
- + 3-level login control for local/remote management
- + Firmware upgraded, configuration data uploaded and downloaded via Web-based GUI
- + TFTP for firmware, configuration files and image files upgrade and download
- + TFTP server and client
- + Code Lock to prevent from improper firmware upgrade through UI, TFTP, and TR-069
- + Telnet/SSH access for configuration (optional)
- + Telnet/SSH access for configuration (optional)
- + Local access via console (optional)
- + ADSL/ADSL2/ADSL2+ manual selection and auto fallback
- + Auto VPI/VCI detection
- + Configuration backup and restore
- + Diagnostics
- + Log & Trace function

- + SNMP v.1 and v.2c with MIB-I and MIB-II (optional)
- + TR-069 compliant with ACS (optional)

QUALITY OF SERVICE

- + Traffic Prioritization/Classification
- + Port-based priority
- + 802.1p/q (0-7) priority
- + DiffServ-Codepoint IPQoS (TOS)
- + Application port-based priority
- + User-defined priority (TCP/UDP/ICMP)
- + 4 priority queues per PVC
- + Traffic Shaping
- + Bandwidth Control (64K/128K/256K/512K)
- + PVC/VLAN
- + IGMP Snooping

POWER

- + 9V/1A or 12V/1.2A(AC or DC)
- + Dying Gasp (optional)
- + Power switch (optional)
- + Factory reset button

OPERATING TEMPERATURE

0° C to 40° C

STORAGE TEMPERATURE

-20° C to 70° C

OPERATING HUMIDITY

-5% to 95% non-condensing

EMISSION (EMC/EMI)

- + FCC Part 15 Class B
- + CE (EN55022/EN55024)

TELECOM

- + FCC Part 15 B

SAFETY

- + CSA International: CSA60950-1, EN60950-1, IEC60950-1, UL60950-1
- + CE LVD EN60950-1

OTHERS

RoHS compliant